

# **NPIAS/ACIP Descriptions & Workcode Briefing**



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# Objectives

- ✈ **Determine proper format for describing and coding an airport development project**
- ✈ **Determine how to calculate a National Priority Rating from a project work code**
- ✈ **Case Study**




# References

- ✈ **FAA Order 5090.3, Field Formulation of the NPIAS**
- ✈ **FAA Order 5100.20, Program Control and Report Procedures (revision)**
- ✈ **FAA Order 5100.38, AIP Handbook (revision)**
- ✈ **NPIAS-CIP User Guide**
- ✈ **Federal Register, Revisions to the NPS**
- ✈ **DRAFT Program Guidance Letter**



# NPIAS-ACIP Database

 **Formulated to assist in compiling, categorizing and funding airport development**

- ◆ NPIAS portion is used primarily to compile and categorize airport development needs and to define the national system of airports (unconstrained)
- ◆ ACIP portion is used primarily to plan AIP funding distribution (constrained)



# Project Descriptions

## Describes Airport Development Project

- ◆ consistent throughout NPIAS/ACIP/AIP
- ◆ based on overall project objective
  - project worksheet should be used as a guide for project descriptions
- ◆ multi-year projects must be consistent throughout project life reflecting appropriate phase in description (see DRAFT PGL)



# Project Description Examples

- ✈ **Construct a new runway**
  - ◆ NPIAS-ACIP description:
    - Construct Runway {....}
- ✈ **Prepare airport master plan**
  - ◆ NPIAS-ACIP description:
    - Conduct Master Plan Study
- ✈ **Purchase passenger handicap lifting device**
  - ◆ NPIAS-ACIP description:
    - Acquire handicap passenger lift device



# Project Work Codes



## Describes Airport Development Project

- ◆ consistent throughout NPIAS/ACIP/AIP
- ◆ used for producing reports to analyze data
- ◆ used for determining priority rating



# Project Work Codes

✈ **A work code is a combination of 3 two-letter identifiers**

◆ **Purpose**

- signifies underlying objective
- SA, SP, RE, EN, PL, CA, ST, OT

◆ **Component**

- signifies development to be accomplished
- 17 component identifiers

◆ **Type**

- signifies actual work being done
- 40 type identifiers





# Project Work Codes

## **Based on overall project objective**

- ◆ project worksheet should be used as a guide for project work codes
- ◆ work codes must coincide with specific work description

## **Coding multi-year projects**

- ◆ work codes should reflect end result
- ◆ see DRAFT PGL



# Project Work Code Examples

- ✈ **Construct a new runway for capacity purposes**
  - ◆ NPIAS-ACIP-AIP work code: CA RW CO
- ✈ **Prepare airport master plan**
  - ◆ NPIAS-ACIP-AIP work code: PL PL MA
- ✈ **Purchase passenger handicap lifting device**
  - ◆ NPIAS-ACIP-AIP work code: ST TE MS



# Priority Ratings

- ✈ **Each project is given a rating consistent with FAA goals & objectives**
- ✈ **How do we arrive at the rating?**
  - ◆ equation
  - ◆ refer to DRAFT PGL (page 7)



# Priority Rating Examples

Example 1: Acquisition of an Aircraft Rescue and Fire Fighting (ARFF) vehicle to meet CFR Part 139 at a large hub airport.

APT	P	C	T
5 pts	SA=10	EQ=8	RF=10

$$.25(10)*[5+1.4(10)+8+1.2(10)]=98$$



# Priority Rating Examples

Example 2: Construct new terminal building at Non Hub airport.

APT	P	C	T
4 pts	ST=6	TE=1	CO=10

$$.25(6)*[4+1.4(6)+1+1.2(10)]=38$$



# Priority Rating Examples

Example 3: Rehabilitation of runway at a general aviation airport with 22 based aircraft.

APT	P	C	T
3 pts	RE=8	RW=10	IM=8

$$.25(8) * [3 + 1.4(8) + 10 + 1.2(8)] = 68$$



# **Case Study**

## **(Non Hub Airport)**

**FY 95 Acquire land for new taxiway;  
install AWOS; rehab terminal;  
remove building for new taxiway**

**FY 96 Site preparation for new  
taxiway; improve access road;  
improve drainage on airport**

**FY 97 Pave, light and mark new  
taxiway; land acquisition for runway  
safety area**



# Summary

- ✈ **Consistency (project worksheet)**
- ✈ **Describe and code an airport development project**
- ✈ **How to use the priority equation to arrive at a priority rating**